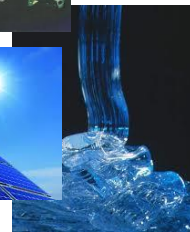
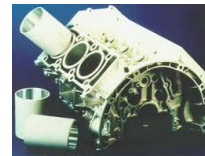
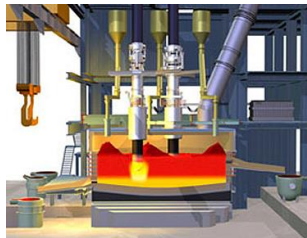


Silicon Production and Refining

Short Course, 4-7 October 2021



General Information

- Held as an intensive 4 day course
- Hybrid participation (Trondheim and on-line)
- Free of charge
- The course is suitable for both industry and MSc/PhD level students
- Held as partial fulfilment of courses TMT4306 and TMT4326 at NTNU
- Joint arrangement NTNU-SFI Metal Production-EIT RM SisAl Slag Value and FME Susoltech
- Lecturers from NTNU, SINTEF and Industry

Program Day 1+ 2

Aspects of Si Production

		4th of October		5th of October	
08:15	09:00				
09:15	10:00	Introduction to Si products and market	<i>G. Tranell</i>	Raw Materials II	<i>E. Ringdalen</i>
10:15	11:00	The Si SAF Process - an overview	<i>M. Tangstad</i>	Energy systems	<i>G. Sævarsdottir</i>
11:15	12:00	Si Thermodynamics	<i>M. Tangstad</i>	Emissions	<i>G. Tranell</i>
12:15	13:00	Lunch		Lunch	
13:15	14:00	Si operation	<i>M. Tangstad</i>	LCA of Si process	<i>J. Berg Pettersen</i>
14:15	15:00	Raw Materials I	<i>V. Myrvågnes</i>	Si process alternatives, overview	<i>G. Tranell</i>

Program Day 3+ 4

Aspects of Si Refining

		6th of October		7th of October	
08:15	09:00				
09:15	10:00	Slag systems and Si	<i>M. Tangstad</i>	Vacuum refining	<i>J Safarian</i>
10:15	11:00	Slag/Ladle refining	<i>G. Tranell</i>	Si solidification	<i>K-E Ekstrøm</i>
11:15	12:00	Chemical refining	<i>TBD</i>	Solidification and Leaching	<i>J. Safarian</i>
12:15	13:00	Lunch		Lunch	
13:15	14:00	Examples and Exercises	<i>M Tangstad</i>	Examples and Exercises	<i>J. Safarian</i>
14:15	15:00	Examples and Exercises	<i>G. Tranell</i>	Examples and Exercises	<i>J. Safarian</i>

Registration

- Register on the following link **by 1st October at the latest!**

<https://forms.office.com/r/mUtNNmjQLi>

Questions:

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